

LC20-12 : 20A Charger for 12V Lithium Batteries



Price: CAD \$199.99

SKU: CBLC20-12

Product Categories: [AC-DC Chargers : Lithium Batteries](#), [Battery Chargers](#), [Shop](#)

Product Tags: [12v](#), [14.4v](#), [20a](#), [20a charger](#), [20a lithium charger](#), [canada](#), [canbat charger](#), [canbat lc20-12](#), [cc/cv](#), [lc20-12](#), [lc20-12 canada](#), [lithium battery charger](#), [lithium charger](#), [lithium charger canada](#)

Product Page: <https://www.modernoutpost.com/product/lc20-12-20a-charger-for-12v-lithium-batteries/>

Product Summary

This is the LC20-12, a compact, smart 20A lithium battery charger for 12V systems by CanBat. This is a high-quality dual-stage IP22 lithium charger. Powerful, high-performance, and energy-efficient. Can be used to charge LiFePO4 batteries in vehicles, motorcycles, boats, ATVs, RVs, lawnmowers, lawn tractors, trucks, and more.

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LC20-12 Is Designed for LiFePO4 Lithium Batteries

Maximize the life of your LiFePO4 (Lithium Iron Phosphate) battery using the Canbat's dual-step charging algorithm charger, engineered to get the best out of your 12V lithium battery. The LiFePO4 battery charger gives the battery the right amount of power it needs to ensure the health, performance, and longevity of your lithium battery. Designed with CC/CV charge stages and a bulk voltage of 14.4V to ensure a balanced and fully charged LiFePO4 battery. Resets and charges lithium iron phosphate batteries after a BMS 0V protection trigger. Highly efficient, fully automatic, and simple to use with easy-to-read LED indicators.

Quality & Safety

All Canbat 12V LiFePO4 battery chargers are designed to the highest safety standards with protections against output

over-voltage, output short-circuits protection, output over-temperature protection, and reverse polarity connection protection. Use Canbat chargers at home, at your shop, or in your vehicle with peace of mind. The charger is constructed with aluminum alloy with surface oxidation treatment, high hardness, and anti-oxidation. Integrated cooling fan for efficient ventilation and cooling.

Connector Cables Included

No need to purchase additional charger leads or accessories. The Canbat LC20-12 lithium charger comes with everything you need to charge any size LiFePO4 battery. Easily swap charger leads using the included Anderson Connectors.

In the box:

- 12V 20A charger - AC power cord - Alligator clips - M8 eyelets - Extra fuse

IP22 Environmental Rating

The LC20-12 is a 20A 12V smart IP22 charger, which makes it ideal for indoor and outdoor charging. Lithium IP22 chargers are not waterproof and require ventilation when in use. They have a high-efficiency rate of over 96% and are equipped with forced ventilation utilizing fans.

Fast Charging

One of the main advantages of LiFePO4 batteries is that they are able to recharge much faster. Following is an approximation of how long it will take to recharge your 12V Lithium battery:

60Ah : 3hrs

75Ah : 4hrs

100Ah : 5hrs

150Ah : 7.5hrs

200Ah : 10hrs

The Canbat 20A lithium battery charger will also be able to recharge batteries with a higher capacity than the above, but if your battery is higher than 200Ah, we recommend a larger charger in order to minimize charging time.

LC20-12 Charger Specifications

Battery Bank Voltage (Nominal) : 12V

Charge current : 20A

Charge voltage : 14.4V

Charge algorithm : Two-Stage (CC/CV)

Efficiency : 96%

No load power consumption : 10W

Input voltage range 90-125Vac, 50Hz~60Hz

120 VAC connector : NEMA 1-15 plug

Can be used as power supply : No

Protections

Shortcircuit, overvoltage, over-temperature, reverse polarity

Operating temp. range : -10C ~ 45C

Humidity (non-condensing) : 5%~95%

Protection Category : IP22

Enclosure

Material & Colour : Aluminum (Black)

Connectors Included : M8 Eyelets, Alligator clips

Connector Type : Anderson Connectors

Dimensions

Weight (KG) : 1.14kg (2.5lbs)

Dimensions: 170x90x60mm

Download Documents

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Product Attributes

- Weight: 1.2 kg